Central Valley Salinity Alternatives for Long-Term Sustainability (CV-SALTS) Annual Report









- Collaborative Basin Planning Effort
- Utilizing Stakeholder Process to Develop Salinity and Nitrate Management Program

Cleanup and Abatement (CAA) Funds Provided Seed Money

- -\$1.2-million (Res. #2009-0023)
- -\$3.8-million (Res. #2010-0042)
 - > \$2.0-million initially
 - \$1.8-million after demonstration of progress to/approval by State Board

Additional Res. #2010-0042 Requirements:

- Annual Report at Public Hearing
 - Expenditures to Date
 - Services Provided
 - Contribution from Stakeholders
 - Accomplishments
 - Timeline to Complete Work

Expenditures for Services and Stakeholder Contributions

	Since July 2008
CAA Resolution #2009-0023	\$249,889
CAA Resolution #2010-0042	\$0
Central Valley Salinity Coalition (CVSC)	\$1,011,249
Additional Stakeholder Contributions	\$4,308,364
Total:	\$5,559,502*

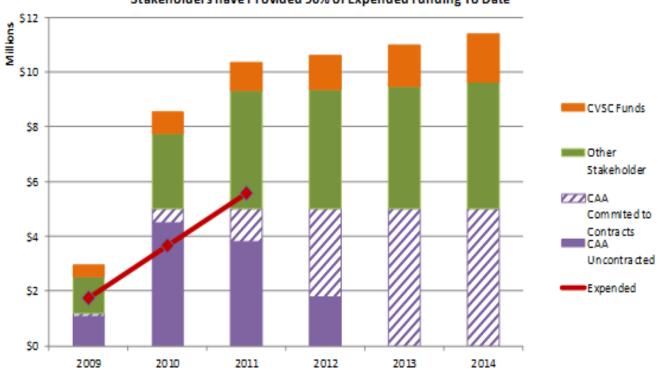
^{*}Does not include in-kind service participating on committee(s)

Contract Services Provided

- Administrative, Technical & Facilitation Support
- Salt Source Identification Studies
- Animal Drinking Water Criteria Study
- Treatment/Containment Feasibility and Pilot Studies
- GIS Database for Central Valley Beneficial Uses and Objectives (Phase I)

Figure 1 Cumulative Funding and Expendatures

Stakeholders have Provided 96% of Expended Funding To Date



Stakeholder Driven

- CVSC provides funding
- Organization of Stakeholders
- Supports direct and indirect salinity and nitrate efforts
- Examples

Pilot Salt Source ID Studies



Guidance Documents

- Knowledge Gained Committee
 - Future Salinity/Nitrate Source Studies
- Management Practices Committee
 - Guidance to Develop Salt/Nitrate BMP Toolbox
- Technical Committee
 - Recommendations regarding use of modeling tools to develop site specific salinity objectives
 - Water Quality Criteria Memo

Management and Treatment Studies for Salt Disposal

(Sponsored by Tulare Lake Drainage District)

Evaporation Basins

- Feasible
- Disposal in isolated basins
- Productivity preserved



Advanced Alternative Studies

- Distillation RO and Chemical
- Enhanced evaporation
- Agri-forestry wetlands



Other

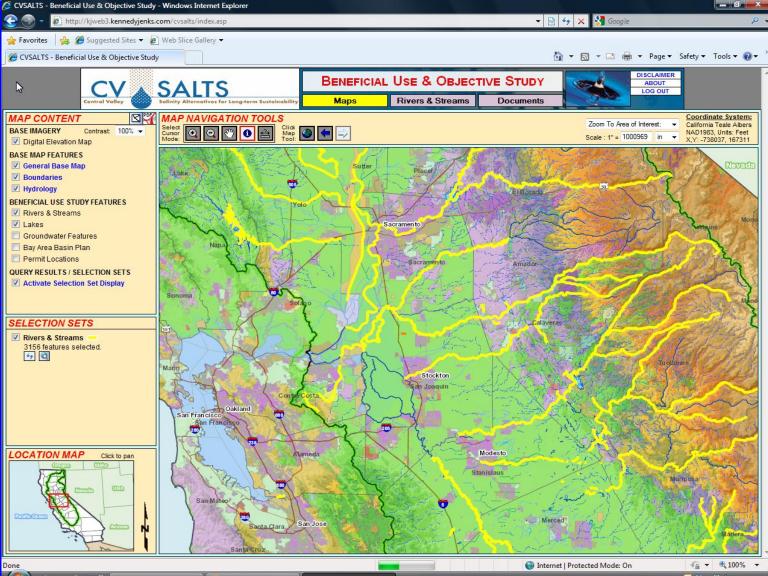
- Leadership Group Meeting held in February 2011
- Animal Drinking Water Criteria
 Evaluation
- Revision of Salt and Salinity
 Management Chapter--CA Water
 Plan
- Interim & Subsequent Funding Plan

CAA Supported Accomplishments

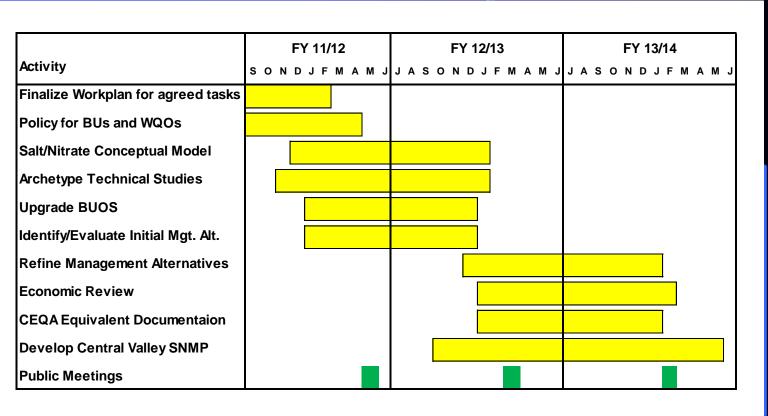
- Improve functionality of CV-SALT website
 - -http://cvsalinity.org
- Scoped Salinity/nitrate Aquatic
 Life Criteria Review
- Beneficial Use/Object Study

Beneficial Use Objective Study

- GIS database with beneficial use maps for the Central Valley
 - Facilitate review of current uses and objectives and recommendations for refinements
 - Basis for future review and management areas, etc.



Timeline for Completion of Work



Work Items Linked to Statewide Issues

- Policy Discussions on Beneficial Uses and WQO's
 - MUN "incidental"; Site Specific Objs.
 - –AGR "limited"; Site specific Objs
 - % crop yield protection
 - Most limiting/sensitive crop in basin

Archetype Studies in Scoping

- Constructed Ag Drains
 - -POTW receiving water
- Lower San Joaquin River
- Tulare Lake Groundwater Basins
- DisadvantagedCommunities

CV-SALTS Executive Committee Policy Discussions and Decisions

On October 20, 2011 the Executive Committee met to review and discuss the concepts and alternatives. Based on these discussions, several decisions were made and the consultants were given additional direction to guide future planning efforts. The purpose of this memorandum is to document these decisions in order to facilitate timely development of the CV-SALTS deliverables. There is broad agreement among members of the Executive Committee on the following:

- There is a need and an obligation to develop a Salt and Nitrate Management Plan (SNMP) to protect the beneficial use of surface and ground waters throughout the Central Valley region.
- The Central Valley SNMP (CV-SNMP) will integrate wherever possible similar plans developed by local or regional entities including IRWM groups.

Funding

- CVSC Funding Subcommittee
 - Draft Outreach Document
 - Continued Member Support for 2012
 - Interim Funding Existing programs
 - Federal and State approach leads
 - Long Term Implementation Funding
 - Project Support and DAC efforts

Outreach

- IRWMPs
 - Communication on process
 - Project Coordination and support
- DACs
 - Nitrate efforts technical support
 - Potential project funding

• Questions?